F I G . 8

```
                    ┌─────────┐
                    │  START  │
                    └─────────┘
                         ↓
          ┌────────────────────────────────┐
          │ SWITCH SHIFT-UP (SHIFT-DOWN)    │──── S1
          │ SWITCH TO "ON"                  │
          └────────────────────────────────┘
                         ↓
          ┌────────────────────────────────┐
          │ START TO MEASURE ELAPSED        │──── S2
          │ TIME t OF "ON" STATE            │
          └────────────────────────────────┘
                         ↓                    S3
                Y  ◇ 0s<t<0.1s? ◇
                         ↓ N
                                              S4
          N  ◇ CONTINUOUSLY
             ◇ VARIABLE SHIFT MODE ?
                         ↓ Y
```

S5 — REFER TO SPEED STAGE TABLE FOR QUICK SHIFT MODE

S8 — REFER TO SPEED STAGE TABLE FOR CONTINUOUSLY VARIABLE SHIFT MODE

S9 — 0.1s≦t<0.5s?   Y

S6 — PRESENT SPEED STAGE IS UPPER (OR LOWER) LIMIT VALUE?

S10 — PRESENT SPEED STAGE IS UPPER (OR LOWER) LIMIT VALUE?   Y

S12 — PRESENT SPEED STAGE IS UPPER (OR LOWER) LIMIT VALUE?

S7 — REWRITE SPEED STAGE INTO VALUE ONE STAGE HIGHER (OR LOWER)

S13 — REWRITE SPEED STAGE INTO VALUE ONE STAGE HIGHER (OR LOWER) FOR EVERY PREDETERMINED TIME

S11 — REWRITE SPEED STAGE INTO VALUE ONE STAGE HIGHER (OR LOWER)

S14 — SHIFT-UP SIGNAL (OR SHIFT-DOWN SIGNAL) BECOMES OFF, OR SPEED STAGE BECOMES UPPER (OR LOWER) LIMIT VALUE?   N   Y

```
                    ┌─────────┐
                    │   END   │
                    └─────────┘
```